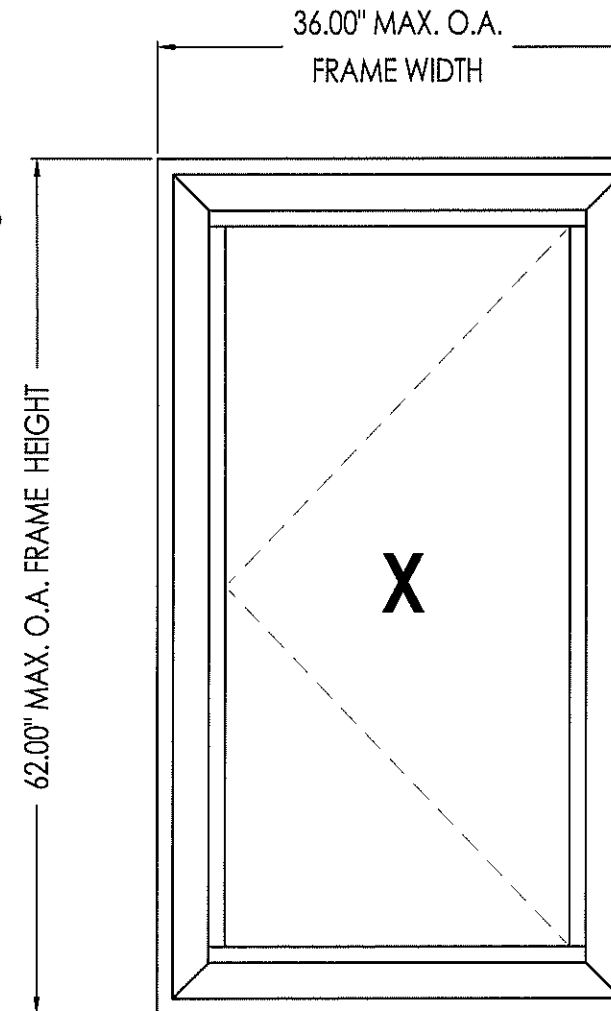
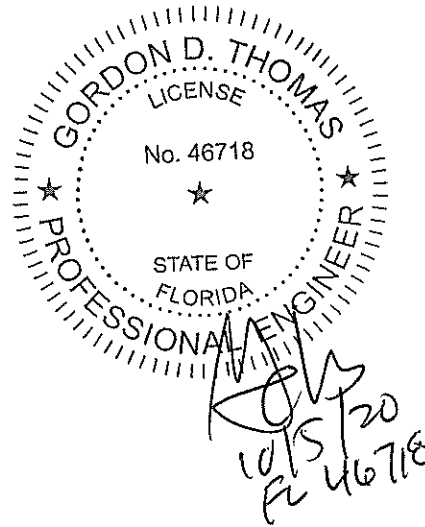
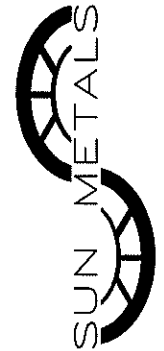




1. This product has been evaluated and is in compliance with the 7th Edition (2020) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in "HVHZ", for installation above 30 feet above grade, this product complies with Section 1626 of the Florida Building Code as a small missile impact resistant product and does not require an impact resistant covering. For installations 30 feet or less above grade, this product must be protected with an impact resistant covering that complies with section 1626 of the Florida Building Code.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection for installations above 30 feet above grade, this product complies with Section 1609.1.2 of the 2020 FBC as a small missile impact resistant product and does not require an impact resistant covering. This product meets missile level "A" and includes Wind Zone 4 as defined in ASTM E 1996. For installations 30 feet or less above grade, this product must be protected with an impact resistant covering that complies with section 1609.1.2 of the Florida Building Code.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. This product meets water infiltration requirements for "HVHZ".

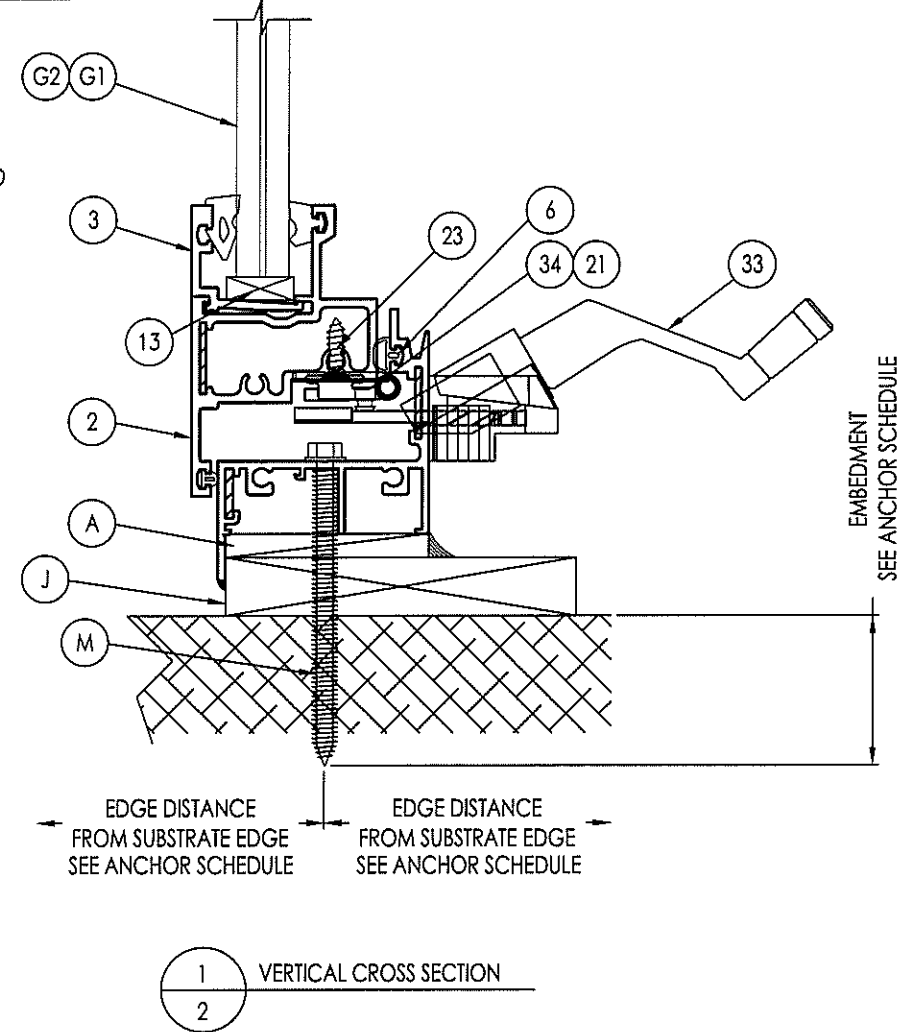
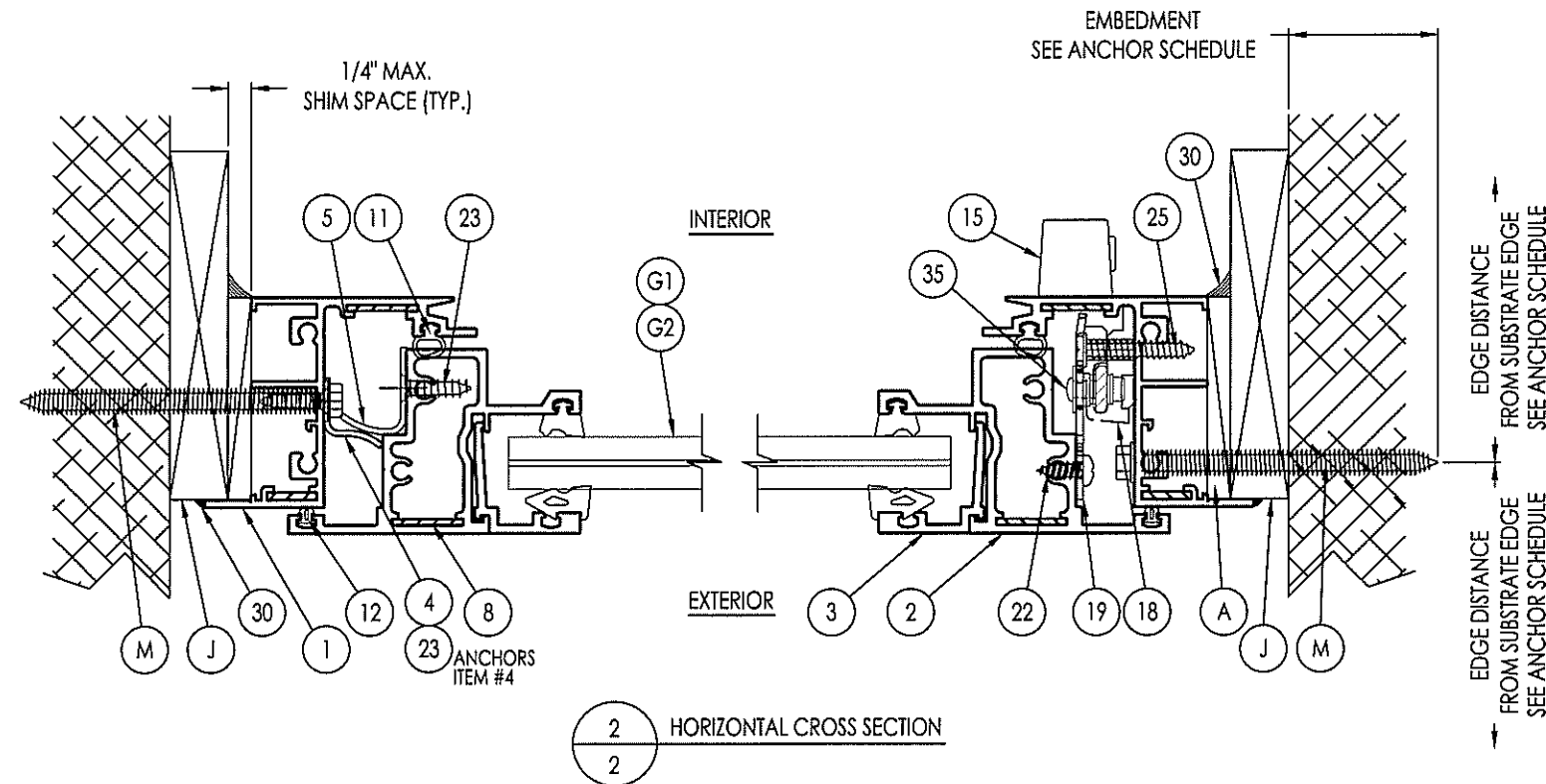
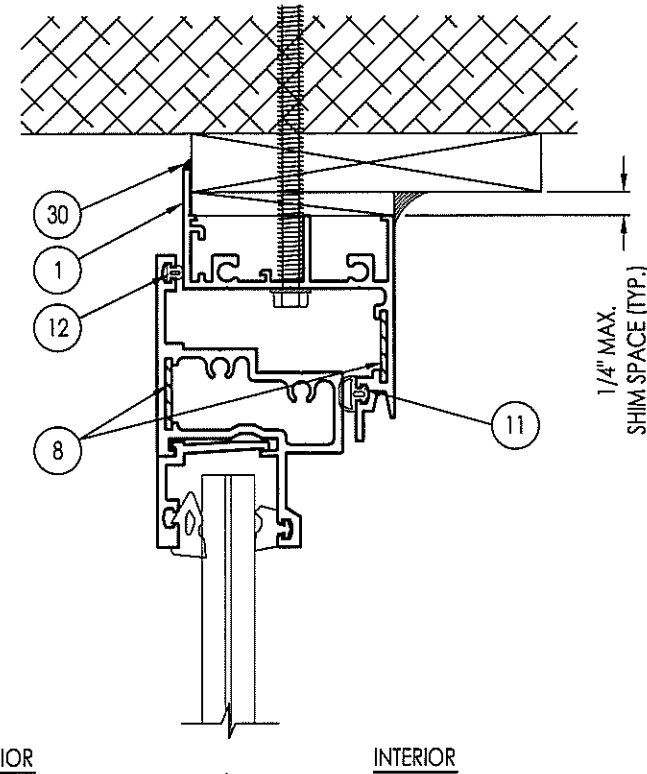
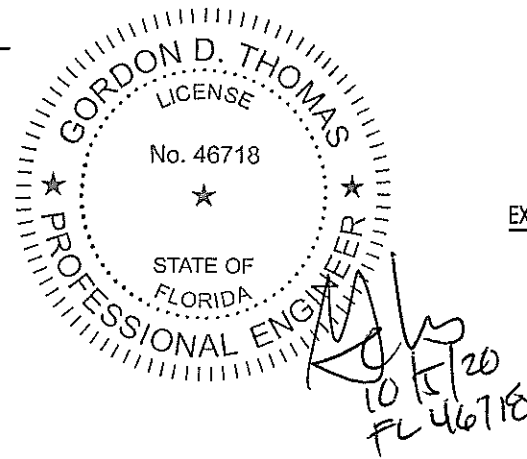
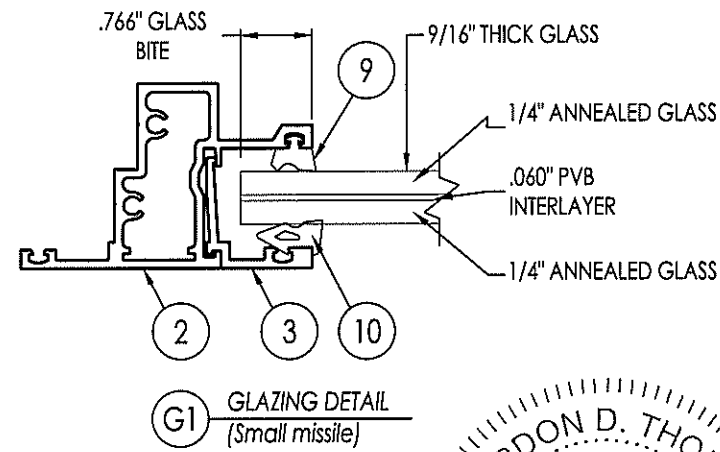
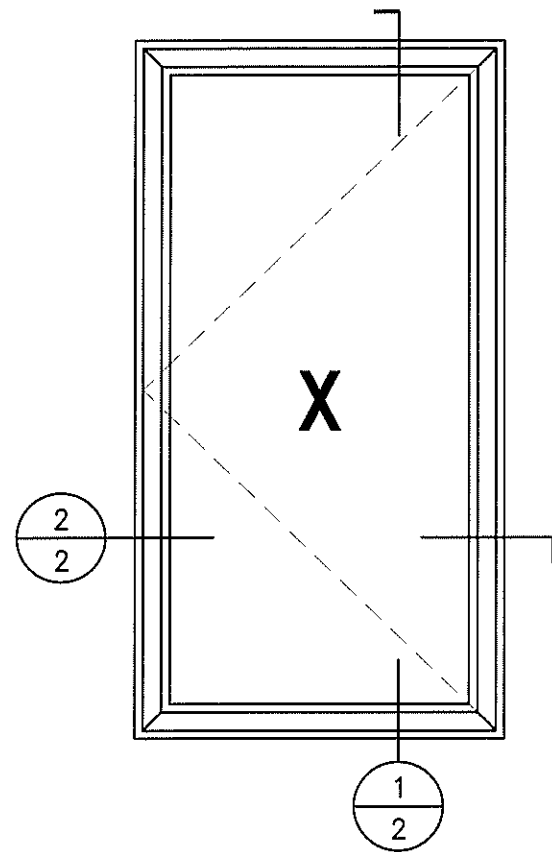
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevation, design pressures & general notes
2	Horizontal & vertical cross sections & glazing detail
3	Frame anchoring
4	Frame anchoring
5	Bill of materials & components

OVERALL FLANGE DIMENSION	OVERALL FRAME DIMENSION	OVERALL D.L.O. DIMENSION	GLASS TYPE	DESIGN PRESSURE (PSF)	
				POSITIVE	NEGATIVE
37.00" x 63.00"	36.00" x 62.00"	28.75" x 54.75"	G1	+ 100.0	- 100.0
37.00" x 20.50"	36.00" x 19.50"	28.75" x 12.75"		+ 100.0	- 100.0



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PRODUCT:		250C CASEMENT WINDOW		PART OR ASSEMBLY:		TABLE OF CONTENTS DESIGN PRESSURES	
Δ	09/21/20	UPDATE TO 7TH ED. (2020)	FBC	JCB			
Δ	09/03/19	UPDATE TO 2017	FBC	ECV			
Δ	03/05/16	UPDATE TO 2014	FBC	CO			
Δ	10/14/13	UPDATE TO 2010	FBC	CO			
NO	DATE	DESCRIPTION	BY				
				REVISIONS			
DATE: 03/05/16							
SCALE: NA							
DWG. BY: CO							
CHK BY: ECV							
DRAWING NO.: FL-9820.1							
SHEET: 1 OF 5							

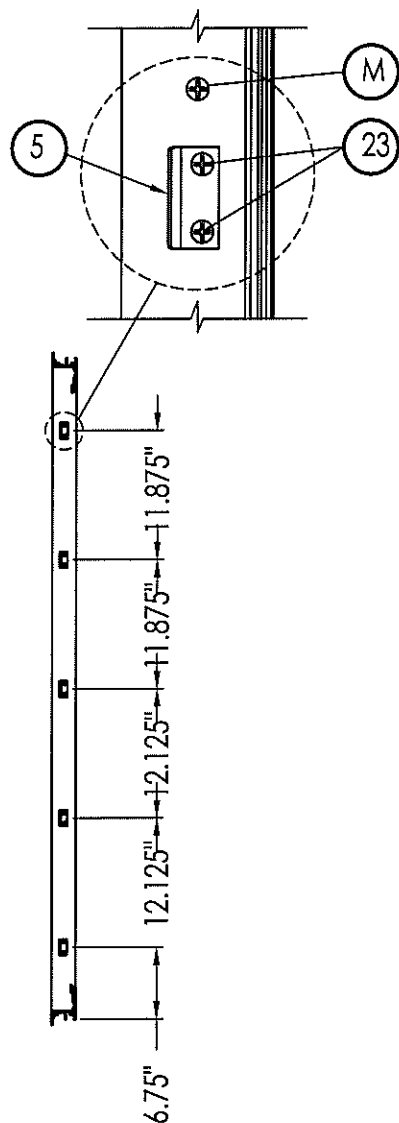


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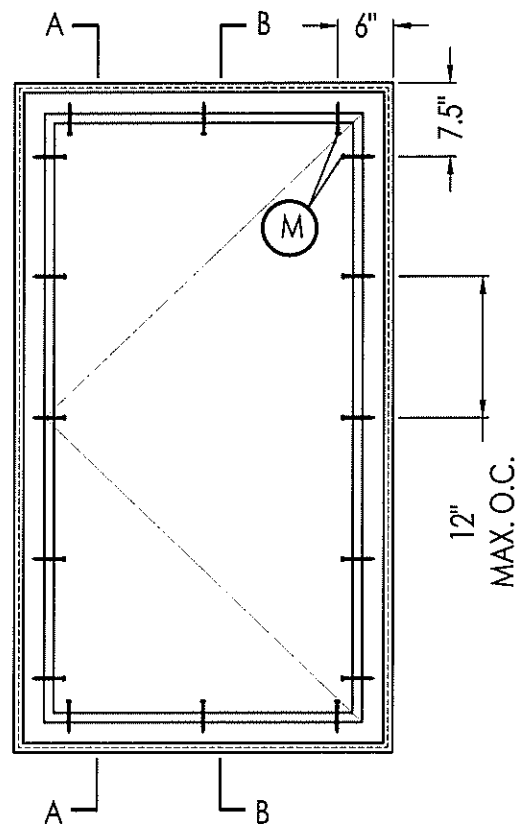


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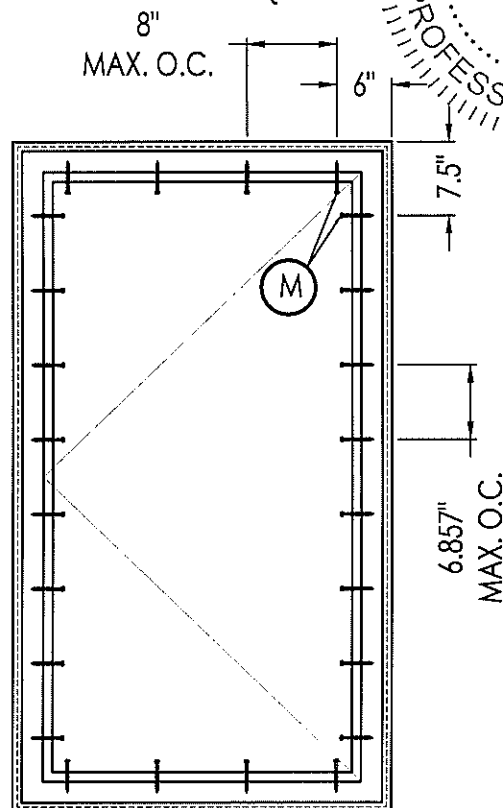
PRODUCT:		250C CASEMENT WINDOW	
PART OR ASSEMBLY:		VERTICAL & HORIZONTAL SECTIONS	
NO	DATE	DESCRIPTION	BY
1	09/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
2	09/03/19	UPDATE TO 2017 FBC	ECV
3	03/05/16	UPDATE TO 2014 FBC	CO
4	10/14/13	UPDATE TO 2010 FBC	CO
REVISIONS			
DATE: 03/05/16			
SCALE: NA			
DWG. BY: CO			
CHK BY: ECV			
DRAWING NO.: FL-9820.1			
SHEET: 2 OF 5			



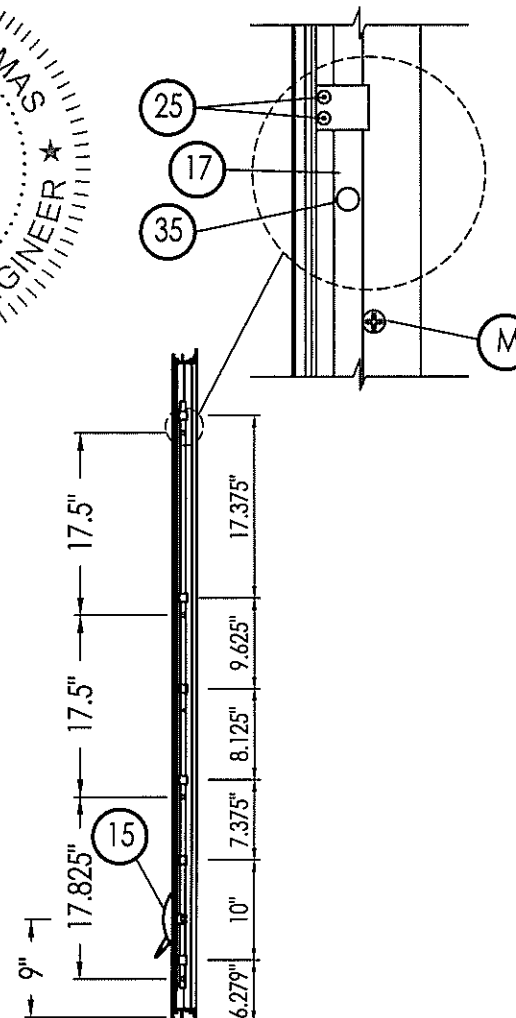
VIEW AA ANCHORING LOCATIONS
SNUBBER CENTERLINES



FRAME ANCHORING
(FOR DP <= 70.0 PSF)



FRAME ANCHORING
(FOR 70.0 < DP <= 100.0 PSF)



VIEW BB ANCHORING LOCATIONS
TIE BAR GUIDE,
LATCH PIN & LOCK CENTERLINES

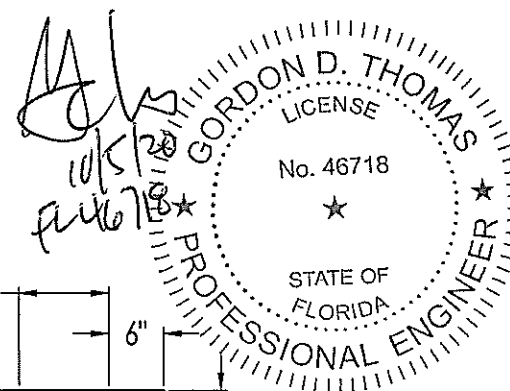


FRAME HEIGHT	# OF LOCKS
<=27.00"	2
<=44.50"	3
<=62.00"	4

KEEPER LOCK QTY.

NOTES:

- 5/16" Tapcon Plus CONCRETE SCREWS ANCHORING FRAME AND/ OR SILL REQUIRE A MINIMUM 3-1/8" CLEARANCE TO MASONRY EDGES, A 1-1/4" MINIMUM EMBEDMENT AND A MINIMUM 3-3/4" CLEARANCE TO ADJACENT CONCRETE SCREWS. SUBSTITUTION OF EQUAL CONCRETE SCREWS FROM A DIFFERENT SUPPLIER MAY HAVE DIFFERENT EDGE DISTANCE AND CENTER DISTANCE REQUIREMENTS. CONCRETE SCREW LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTAR JOINTS. IF CONCRETE SCREW LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTAR JOINTS, ADDITIONAL CONCRETE SCREWS MAY BE REQUIRED TO ENSURE THE MAXIMUM ON CENTER DIMENSION IS NOT EXCEEDED.



ANCHOR SCHEDULE

SUBSTRATE	ANCHOR
MASONRY: (SEE NOTE 1)	5/16" DIA. Tapcon Plus CONCRETE ANCHOR WITH 1.25" MIN. EMBEDMENT, 3.125" MIN. EDGE DISTANCE & 3.75" MIN. CL DISTANCE. 3,192 PSI CONCRETE CONFORMING TO ACI 318 OR HOLLOW MASONRY BLOCK, CONFORMING TO ASTM C90
1X WOOD BUCK WITH MASONRY (SEE NOTE 1)	5/16" DIA. Tapcon Plus CONCRETE ANCHOR WITH 1.25" MIN. EMBEDMENT, 3.125" MIN. EDGE DISTANCE & 3.75" MIN. CL DISTANCE. 3,192 PSI CONCRETE CONFORMING TO ACI 318 OR HOLLOW MASONRY BLOCK, CONFORMING TO ASTM C90
STEEL:	1/4-20 DRILL FLEX SELF-DRILLING SMS BY ELCO, 3 THREADS OF MIN PENETRATION BEYOND METAL STRUCTURE, 1" MIN. EDGE DISTANCE, CL=1" MIN. STEEL CONFORMING TO ASTM A36, GRADE 33, 16 GA MIN.
WOOD:	# 14 WOOD SCREW WITH 1.5" MIN. EMBEDMENT, 0.75" MIN. EDGE DIST. , CL = 2" MIN. SG = 0.55 OR BETTER

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SUN METALS

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PRODUCT:	250C CASEMENT WINDOW
PART OR ASSEMBLY:	FRAME ANCHORING
DATE	03/05/16
SCALE	NA
DWG. BY:	CO
CHK BY:	ECV
DRAWING NO.:	FL-9820.1
SHEET:	3 OF 5

09/21/20	UPDATE TO 7TH ED. (2020) FBC	JCB
09/03/19	UPDATE TO 2017 FBC	ECV
03/05/16	UPDATE TO 2014 FBC	CO
10/14/13	UPDATE TO 2010 FBC	CO
NO	DATE	DESCRIPTION
REVISIONS		

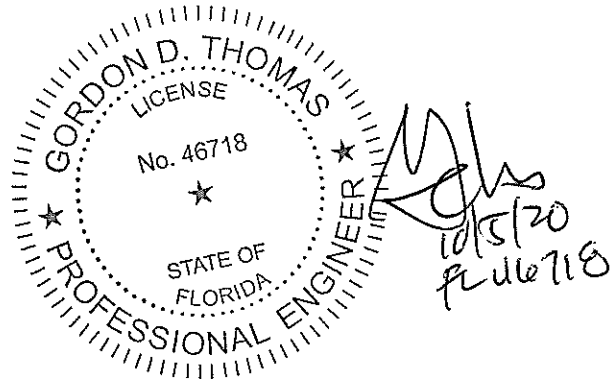
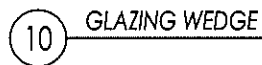
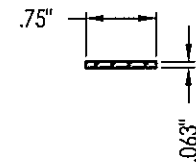
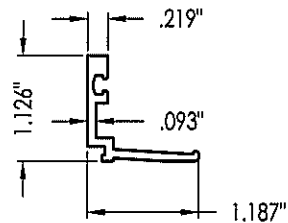
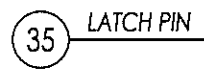
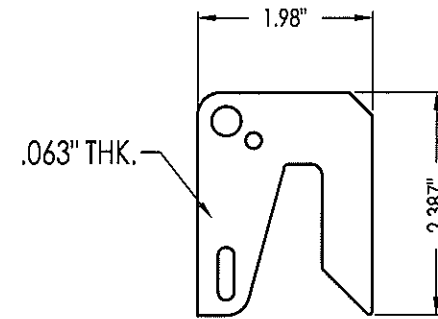
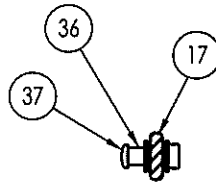
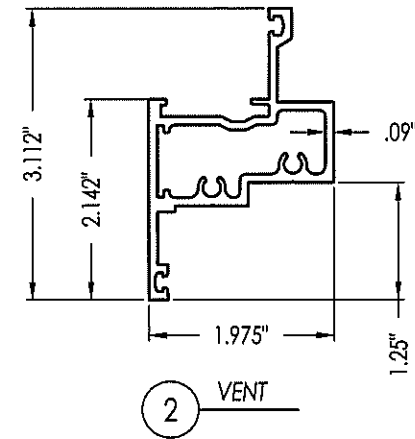
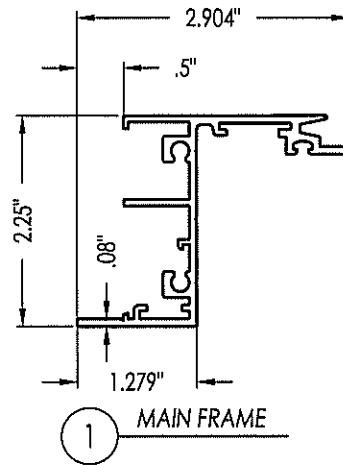


1. 5/16" Tapcon Plus CONCRETE SCREWS ANCHORING FRAME AND/ OR SILL REQUIRE A MINIMUM 3-1/8" CLEARANCE TO MASONRY EDGES, A 1-1/4" MINIMUM EMBEDMENT AND A MINIMUM 3-3/4" CLEARANCE TO ADJACENT CONCRETE SCREWS. SUBSTITUTION OF EQUAL CONCRETE SCREWS FROM A DIFFERENT SUPPLIER MAY HAVE DIFFERENT EDGE DISTANCE AND CENTER DISTANCE REQUIREMENTS. CONCRETE SCREW LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTAR JOINTS. IF CONCRETE SCREW LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTAR JOINTS, ADDITIONAL CONCRETE SCREWS MAY BE REQUIRED TO ENSURE THE MAXIMUM ON CENTER DIMENSION IS NOT EXCEEDED.

ANCHOR SCHEDULE	
SUBSTRATE	ANCHOR
MASONRY: (SEE NOTE 1)	5/16" DIA. Tapcon Plus CONCRETE ANCHOR WITH 1.25" MIN. EMBEDMENT, 3.125" MIN. EDGE DISTANCE & 3.75" MIN. CL DISTANCE. 3,192 PSI CONCRETE CONFORMING TO ACI 318 OR HOLLOW MASONRY BLOCK, CONFORMING TO ASTM C90
1X WOOD BUCK WITH MASONRY (SEE NOTE 1)	5/16" DIA. Tapcon Plus CONCRETE ANCHOR WITH 1.25" MIN. EMBEDMENT, 3.125" MIN. EDGE DISTANCE & 3.75" MIN. CL DISTANCE. 3,192 PSI CONCRETE CONFORMING TO ACI 318 OR HOLLOW MASONRY BLOCK, CONFORMING TO ASTM C90
STEEL:	1/4-20 DRILL FLEX SELF-DRILLING SMS BY ELCO, 3 THREADS OF MIN PENETRATION BEYOND METAL STRUCTURE, 1" MIN. EDGE DISTANCE, CL=1" MIN. STEEL CONFORMING TO ASTM A36, GRADE 33, 16 GA MIN.
WOOD:	# 14 WOOD SCREW WITH 1.5" MIN. EMBEDMENT, 0.75" MIN. EDGE DIST. , CL = 2" MIN. SG = 0.55 OR BETTER

[illegible]

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1/4" MAX. SHIM SPACE	-
J	1X BUCK SG >= 0.55	WOOD
M	ANCHOR: SEE ANCHOR SHEET 4	STEEL
1	FRAME (#SUN 101)	6063-T6 ALUM
2	VENT (#SUN 102)	6063-T6 ALUM
3	GLAZING BEAD (#SUN 103)	6063-T6 ALUM
4	FRAME SNUBBER	STEEL
5	VENT SNUBBER	STEEL
6	STUD BRACKET PART (TRUTH)	S.S.
8	.063" CORNER KEY (H-467)	3003 ALUM
9	GLAZING SPONGE (TR-6142E)	NEOPRENE
10	GLAZING WEDGE (TR-11419E)	EPDM
11	FRAME BULB SEAL (TR-4392P)	EPDM
12	VENT BULB SEAL (TR-13100P)	EPDM
13	SETTING BLOCK 1/4" X 3/4" X 4" LONG	SILICONE
15	LOCK ASSEMBLY PART (TRUTH)	ZAMAK
17	TIE BAR (TRUTH)	S.S.
18	TIE BAR GUIDE (TRUTH)	NYLON
19	KEEPER PART (TRUTH)	S.S.
21	#6 X 3/4" PFH UNDERCUT SSSMS	S.S.
22	#8 X 1/2" PPH SSSMS	S.S.
23	#8 X 3/4" PFH UNDERCUT SSSMS	S.S.
25	#10 X 1" PPH SMS	S.S.
30	SEALANT	SILICONE
33	CRANK PART (TRUTH)	ZAMAK
34	OPERATOR TRACK	S.S.
35	LATCH PIN	-
36	NYLON SPACER	NYLON
37	#10 PHILLIP TRUSS HEAD MACHINE SCREW W/ NUT	STEEL



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PRODUCT: 250C CASEMENT WINDOW

PART OR ASSEMBLY:

BOM & COMPONENTS

[illegible]

DATE: 03/05/16

SCALE: NA

DWG. BY: CO

CHK BY: ECV

DRAWING NO.:
FL-9820.1

SHEET: **5** OF **5**